


SAFETY DATA SHEET – TA Increaser

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	TA Increaser (sodium bicarbonate) Substance name: sodium bicarbonate CAS No. 144-55-8 EC No. 205-633-8
1.2 Relevant identified uses of the substance or mixture and uses advised against	Intended use: alkalinity increaser for swimming pools
1.3 Details of the supplier of the SDS	A & R Products (South East) Ltd Europa House Pivington Mill Pluckley Kent TN27 0PG SDS compiler: mail@arproducts.co.uk
1.4 Emergency telephone number:	01233 841855 (Monday – Friday 9.00 – 17.00 hrs GMT)
SDS Issue 1:	19/05/2012

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	Classification to CLP ((EC) No 1272/2008): Eye Irrit.2; H319 ----- Classification to DPD (1999/45/EC) and CHIP: Xi;R36
2.2 Label elements	<p>Labelling in accordance with CLP ((EC) No 1272/2008)</p> <p> WARNING</p> <p><i>H319</i> Causes serious eye irritation <i>P261</i> Avoid breathing dust/fume/gas/mist/vapours/spray <i>P302 + P352</i> IF ON SKIN: Wash with plenty of soap and water <i>P304 + P340</i> IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing <i>P352 + P311</i> If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician <i>P403 + P233</i> Store in a well-ventilated place. Keep container tightly closed Keep out of reach of children. If medical advice is needed, have product container or label at hand.</p>
2.3 Other hazards	No other information is available.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances						
Hazardous substances present	Name	EC no.	CAS no.	DSD classn.	CCP classn.	%
	sodium hydrogen carbonate	205-633-8	144-55-8	X;R36	Eye Irrit.2; H319	100

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures	General advice : Take off all contaminated clothing immediately. In case of skin contact : Wash off immediately with soap and plenty of water. In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Consult an eye specialist immediately. If swallowed : Rinse mouth. Give plenty of water to drink.
4.2 Most important symptoms and effects, both acute and delayed	no further information available
4.3 Indication of immediate medical attention and special treatment needed, if necessary	treat symptomatically no further information available

SECTION 5 FIREFIGHTING MEASURES

5.1 Extinguishing media	Not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
5.2 Specific hazards arising from the substance or mixture	Do not inhale combustion products
5.3 Advice for fire-fighters	In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid contact with skin and eyes. For personal protection see section 8.
6.2 Environmental precautions	Do not flush into surface water or sanitary sewer system.
6.3 Methods and material for containment and cleaning up	Use mechanical handling equipment. Keep in suitable, closed containers for disposal. Further information : Treat recovered material as described in section 13.
6.4 Reference to other sections	Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling	Keep container tightly closed. Avoid contact with the skin and the eyes.
7.2 Conditions for safe storage, including any incompatibilities	Keep only in the original container. Keep tightly closed in a dry and cool place. Keep away from heat. Keep away from food, drink and animal feedingstuffs.
7.3 Specific end use(s)	For increasing alkalinity of swimming pools

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters	LTEL (8 hour TWA): 10 mg/m ³ (total inhalable dust) LTEL (8 hour TWA): 4 mg/m ³ (respirable dust)
8.2 Exposure controls	Suitable gloves but take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Eye protection: Tightly fitting safety goggles or face-shield (EN166 approved)

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties – does not constitute a specification

Appearance	white crystalline powder
Odour	odourless
Odour threshold	no data available
pH	8.6 (50g/l solution)
Melting Point/Freezing point (°C)	270
Initial boiling point/boiling range (°C)	decomposes
Flash Point (°C)(closed cup)	not applicable (non-flammable)
Evaporation rate	no data available
Flammability	not applicable (non-flammable)
Upper/lower flammability limits	not applicable (non-flammable)
Vapour pressure (mbar @ 20°C)	no data available
Vapour density	no data available
Relative Density (@15.5°C)	2.22
Solubility in water	soluble (7.8 g./100g. water @ 18°C)
Solubility in fat / solvent	not miscible
Partition coefficient (log Pow)	no data available
Autoignition temperature (°C)	not applicable (non-flammable)
Decomposition temperature (°C)	no data available
Viscosity (mPa.s @ 20°C)	not applicable (solid)
Explosive properties	not explosive
Oxidising properties	none

9.2 Other information None

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity	Reacts with acids to give carbon dioxide and heat
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Incompatible with acids
10.5 Incompatible materials	Acids
10.6 Hazardous decomposition products	Carbon dioxide (asphyxiant gas)

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity	No data available
Corrosivity/Irritation	Not an irritant to intact skin
Sensitisation -skin	No information

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
12.2 Persistence and degradability	The methods for determining the biological degradability are not applicable to inorganic substances
12.3 Bioaccumulative potential	Bioaccumulation is not expected
12.4 Mobility in soil	The product is mobile in water environment.
12.5 Results of PBT and vPvB assessment	No known PBT or vPvB chemicals present
12.6 Other adverse effects	Do not flush into surface water or sanitary sewer system.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste Residue:	Do not let product enter drains. Contact waste disposal services. European Waste Code: No waste code according to the European Waste Catalogue assigned for this product. The waste code is established in consultation with the regional waste disposer.
Packaging:	Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous goods for carriage under ADR/RID/ADN/IMDG/ICAO/IATA regulations

14.1 UN Number	Not applicable
14.2 UN Proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Supply regulations: Classified as hazardous under DSD/GHS/CLP criteria (DSD: Dangerous Substances Directive; GHS: Globally Harmonised system of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations) Transport regulations: Not classified as Dangerous Goods for Carriage under ADR/RID/IMDG/ICAO/IATA regulations
15.2 Chemical Safety Assessment	No formal chemical safety assessment has been carried out

SECTION 16 OTHER INFORMATION

Full text of classification data in sections 2 and 3

Eye Irrit.2; H319 Causes serious eye irritation

Xi;R36 Irritant; Irritating to eyes

The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text